



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
20 September 2001 (20.09.2001)

PCT

(10) International Publication Number  
WO 01/68848 A2

(51) International Patent Classification <sup>7</sup> :	C12N 15/12, 15/62, C07K 14/47, 14/705, 16/18, G01N 33/53, C12Q 1/68		
(21) International Application Number:	PCT/US01/06520		
(22) International Filing Date:	28 February 2001 (28.02.2001)		
(25) Filing Language:	English		
(26) Publication Language:	English		
(30) Priority Data:			
PCT/US00/05601	1 March 2000 (01.03.2000)	US	
PCT/US00/05841	2 March 2000 (02.03.2000)	US	
60/187,202	3 March 2000 (03.03.2000)	US	
60/186,968	6 March 2000 (06.03.2000)	US	
60/189,328	14 March 2000 (14.03.2000)	US	
60/189,320	14 March 2000 (14.03.2000)	US	
PCT/US00/06884	15 March 2000 (15.03.2000)	US	
60/191,048	21 March 2000 (21.03.2000)	US	
60/190,828	21 March 2000 (21.03.2000)	US	
60/191,314	21 March 2000 (21.03.2000)	US	
60/191,007	21 March 2000 (21.03.2000)	US	
60/192,655	28 March 2000 (28.03.2000)	US	
60/193,032	29 March 2000 (29.03.2000)	US	
60/193,053	29 March 2000 (29.03.2000)	US	
PCT/US00/08439	30 March 2000 (30.03.2000)	US	
60/194,647	4 April 2000 (04.04.2000)	US	
60/194,449	4 April 2000 (04.04.2000)	US	
60/196,820	11 April 2000 (11.04.2000)	US	
60/195,975	11 April 2000 (11.04.2000)	US	
60/196,000	11 April 2000 (11.04.2000)	US	
60/196,187	11 April 2000 (11.04.2000)	US	
60/196,690	11 April 2000 (11.04.2000)	US	
60/198,121	18 April 2000 (18.04.2000)	US	
60/198,585	18 April 2000 (18.04.2000)	US	
60/199,654	25 April 2000 (25.04.2000)	US	
60/199,397	25 April 2000 (25.04.2000)	US	
60/199,550	25 April 2000 (25.04.2000)	US	
60/201,516	3 May 2000 (03.05.2000)	US	
PCT/US00/13705	17 May 2000 (17.05.2000)	US	
PCT/US00/14042	22 May 2000 (22.05.2000)	US	
PCT/US00/14941	30 May 2000 (30.05.2000)	US	
PCT/US00/15264	2 June 2000 (02.06.2000)	US	
60/209,832	5 June 2000 (05.06.2000)	US	
PCT/US00/20710	28 July 2000 (28.07.2000)	US	
09/644,848	22 August 2000 (22.08.2000)	US	
PCT/US00/23328	24 August 2000 (24.08.2000)	US	

60/000,000 15 September 2000 (15.09.2000) US

PCT/US00/30952 8 November 2000 (08.11.2000) US

PCT/US00/32678 1 December 2000 (01.12.2000) US

PCT/US00/34956 20 December 2000 (20.12.2000) US

(71) Applicant (*for all designated States except US*): GENENTECH, INC. [US/US]; 1 DNA Way, South San Francisco, CA 94080-4990 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): BAKER, Kevin, P. [GB/US]; 14006 Indian Run Drive, Darnestown, MD 20878 (US). CHEN, Jian [CN/US]; 121 York Drive, Princeton, NJ 08540 (US). DESNOYERS, Luc [CA/US]; 2050 Stockton Street, San Francisco, CA 94133 (US). GODDARD, Audrey [CA/US]; 110 Congo Street, San Francisco, CA 94131 (US). GODOWSKI, Paul, J. [US/US]; 2627 Easton Drive, Burlingame, CA 94010 (US). GURNEY, Austin, L. [US/US]; 1 Debbie Lane, Belmont, CA 94002 (US). PAN, James [CA/US]; 2705 Coronet Boulevard, Belmont, CA 94002 (US). SMITH, Victoria [AU/US]; 19 Dwight Road, Burlingame, CA 94010 (US). WATANABE, Colin, K. [US/US]; 128 Corliiss Drive, Moraga, CA 94556 (US). WOOD, William, I. [US/US]; 35 Southdown Court, Hillsborough, CA 94010 (US). ZHANG, Zemin [CN/US]; 876 Taurus Drive, Foster City, CA 94404 (US).

(74) Agents: BARNES, Elizabeth, M. et al.; c/o Genentech, Inc., MS49, 1 DNA Way, South San Francisco, CA 94080-4990 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

*[Continued on next page]*

(54) Title: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

(57) Abstract: The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

01/68848 A2

848

A2